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XXVIII. *Observations on two Antient Roman Inscriptions discovered at Netherby in Cumberland: In a Letter to the Right Rev. Charles Lord Bishop of Carlisle, F. R. S. from the Reverend John Taylor, LL. D. Canon Residentiary of St. Paul's, and Chancellor of the Diocese of Lincoln.*

To the Right Rev. the Lord Bishop of Carlisle.

Read May 12, 1763. **T**HE following observations I beg leave to present to your Lordship, who was pleased to communicate those remains of antiquity, that gave birth to them. The Society of Antiquaries cannot but be greatly delighted to see your Lordship advanced to an Episcopacy, in a country Antiquitatum Romanarum feracissima; and succeeding, at a distance, a very consummate Antiquary, to whom this kingdom stands greatly indebted, the great bishop Nicholson.

Your Lordship's former situation in *another* remote part of England contributed greatly to the cultivation of this kind of letters, and brought us acquainted with what might otherwise have lain unknown or neglected. We begin already to experience the benefit of your Lordship's removal to *this*.

I am,

Amen-Corner,
April 28th,
1763.

my Lord,

etc. etc.

John Taylor.

THE inscriptions [TAB. XI.] marked N^o. I. N^o. II. were discovered at Netherby in Cumberland, the former in the year 1762, the other early in the present century: they both make mention of Marcus Aurelius Salvius, Tribune of the Cohors Prima Ælia Hispanorum Milliaria Equitata. The former moreover points out the particular emperor M. Aurelius Severus Alexander, in whose reign it was engraved: and almost directs us to the very year also: which must have been either the CCXXVIth or CCXXIXth of the Christian æra, for in those two years was that emperor consul: and one of those consulates this stone alludes to, in the last words of it; which I read thus:

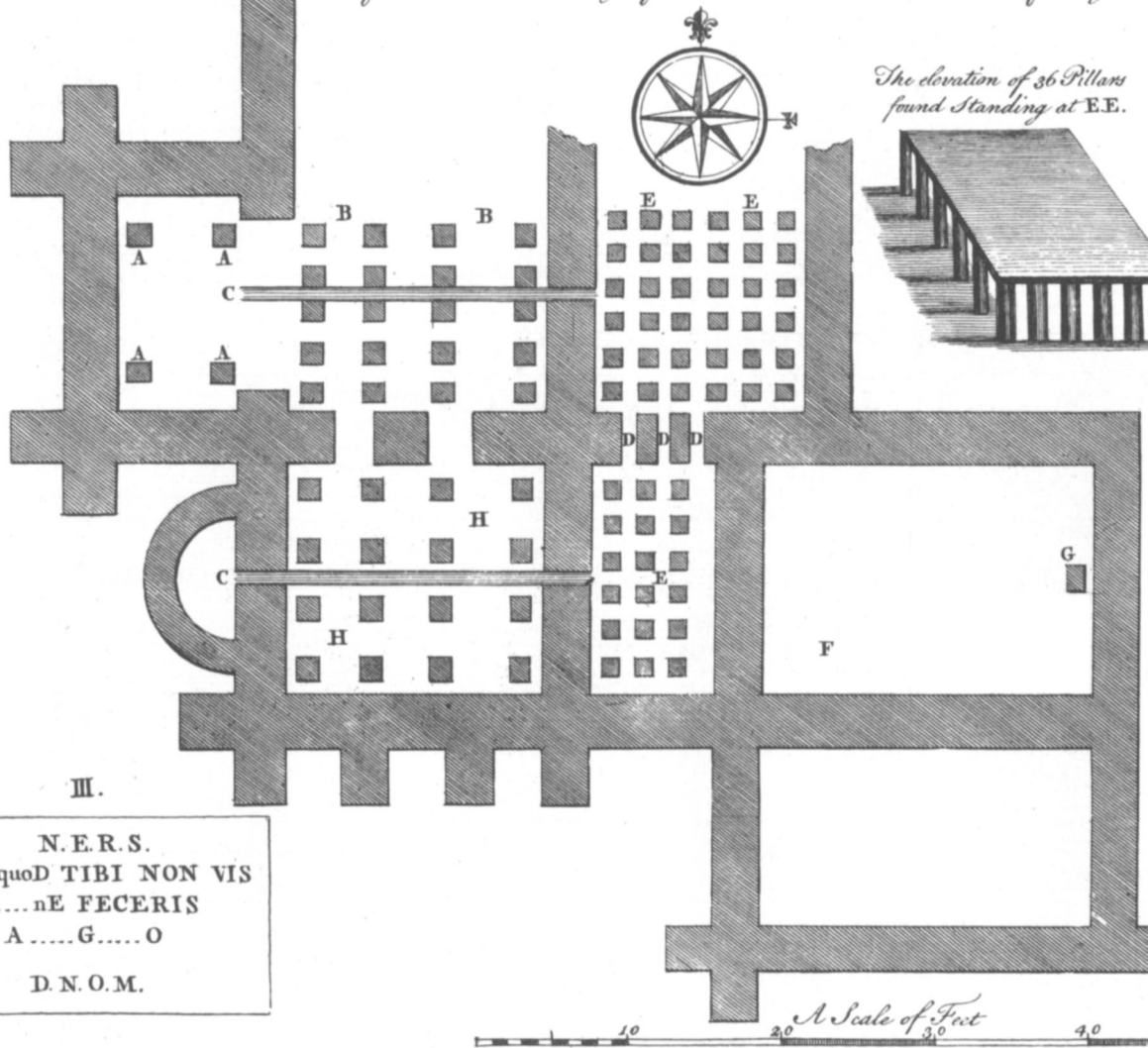
IMPERATORE DOMINO NOSTRO
SEVERO ALEXANDRO, PIO,
FELICE, AVGVSTO, CONSVLE.

And here I take occasion to observe, that this apellation DOMINVS NOSTER was given to our emperor in the inscription before us, notwithstanding what is recorded of him by his historian, Lampridius, *Dominum se appellari vetuit*. And be it observed, that, whatever inclination Alexander Severus might have towards Christianity, as has been imagined, his forces in Britain, as appears from that pagan and frequent compliment, which occurs in the fourth line of this inscription, were not in the secret:

DEVOTA NVMINI MAIESTATIQUE EIVS.

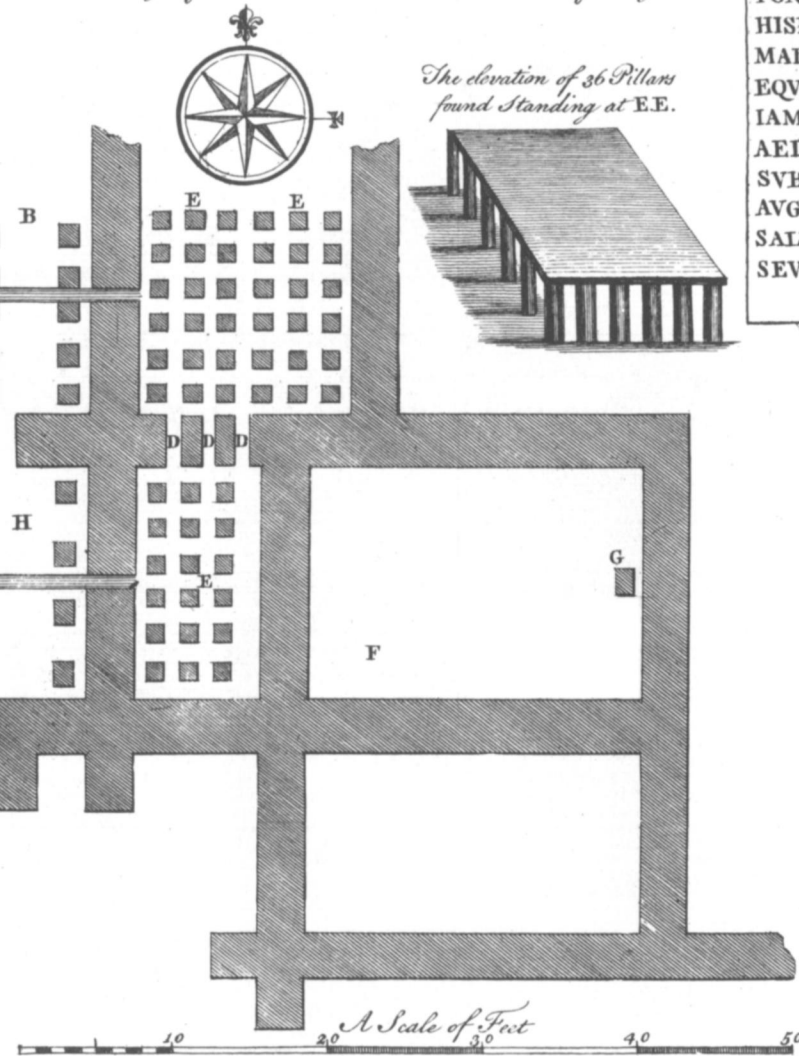
And

A Draught of the Discoveries made at Netherby in the Paroch of Arthuret & County of Cumberland, in the Month of May 1791.

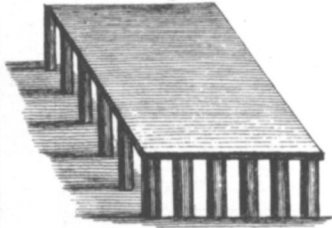


- A.A.A.A. Four Pillars of Square Style one above another with a little Cement between. B.B. Twenty
 C.C. Two Conduits or Air-Pipes. D.D.D. Three hollow Tiles or Pipes thro' the Wall.
 E.E. Fifty four Pillars of Solid Stone, 36. of w.^d are cover'd with Flaggs & Cement. F. A Bath
 G. The Altar with an Inscription upon it, found in the same Year. H.H. Full of Tyle both
 A. B. Most of the Rooms were floored with a small thick Flaggs, laid in Cement, with three

ught of the Discoveries made at Netherby in the Parish
 of Cumberland, in the Month of May 1745.



The elevation of 36 Pillars
 found Standing at E.E.



I.

IMP CAES M AVRELIO
 SEVERO ALEXANDRO PIO FEL AVG
 PONT MAXIMO TRIB POT COS PP COH I AEL
 HISPANORVM ∞ EQ DEVOTA NVMINI
 MAIESTATIQUE EIVS BASELICAM
 EQVESTREM EXERCITATORIAM
 IAMPRIDEM A SOLO COEPTAM
 AEDIFICAVIT CONSVMMAVITQVE
 SVB CVRA MARI VALERIANI LEG
 AVG PR PR INSTANTE M AVRELIO
 SALVIO TRIB COH IMP D N
 SEVERO ALEXANDRO PIO FEL
 AVG COS

II. G



This Altar was found Standing
 at G. Several Years before the
 Building was taken up.

one above another with a little Cement between. B.B. Twenty Pillars of the same kind.
 D.D.D. Three hollow Tyles or Pipes thro' the Wall.
 Stone, 36. of w. are covered with Flaggs & Cement. F. A Bath discover'd in the Year 1732.
 upon it, found in the same Year. H.H. Full of Tyle both hollow & plain.
 floored with a small thick Flag, laid in Cement, with three Course of Pavement below.

And farther still, a Cumberland inscription, marked LI. in Horfeley, carries the pagan compliment to the same emperor something higher *:

DEABVS MATRIBVS TRAMARINIS
ET NVMINI IMPERATORIS ALEXAN-
DRI AVGVSTI ET IVLIAE MAMMAEAE
MATRI AVGVSTI NOSTRI ET CASTRO-
RVM TOTIQ. DOMVI DIVINAE
AETERNAEQ. VEXILLATIO. Posuit.

The passages, which seem to favour the opinion I mentioned, of this emperor's tendency to Christianity, are these of Lampridius, scil.

Judæis privilegia reservavit: Christianos esse passus est.

Matutinis horis, in larario suo (in quo et divos principes, sed optimos et electos, et animas sanctiores, in quæis & Apollonium, et, quantum scriptor suorum temporum dicit, Christum, Abraham, et Orpheum, et hujuscemodi Deos habebat, ac majorum effigies) rem divinam faciebat.

Christo templum facere voluit, eumque inter Deos recipere.

Quum Christiani quendam locum, qui publicus fuerat, occupassent, contra Popinarii dicerent, sibi eum deberi, rescripsit, Melius esse, ut quomodocunque illic Deus colatur, quam Popinariis dedatur.

Clamabatque sæpius, quod a quibusdam sive Judæis sive Christianis audierat, et tenebat: idque per præconem, quum aliquem emendaret, dici jubebat, QVOD TIBI FIERI NON VIS ID ALTERI NE FECERIS.

* This, as far as we know for certain, is the only inscription in Britain made under this emperor, except that we are now discouraging of.

Quam sententiam usque adeo dilexit, ut et in palatio et in publicis operibus præscribi juberet.

I mention this the rather, because I believe, that one of those inscriptions mentioned by Lampridius is come down to our times, but somewhat mutilated. It is to be found on the Via Appia, not far from the *Tres Tabernæ*; and is marked N° III. in the paper before you.

Netherby, whether the *Castra Exploratorum* of Antonine, with Horsley and Wesseling, or the *Ælica* of Ravennas, with Camden and Gale, is the place, where the inscriptions marked N° I. and N° II. were lately discovered. N° I. served as a cover to a drain, which did not seem of any considerable age: the table part of which is five feet seven inches, by two feet four inches and a half: the margin two inches more. N° II. was found in a room or apartment belonging to a large building, lately discovered, but now pulled to pieces for the sake of the materials. My L. of Carlisle has a draught of it, where there appears to have been an hypocaust, and possibly thereabouts was the *Basilica* also, mentioned in our first inscription.

A Durham inscription, marked XI. in many instances explains ours, and is proper to be compared with it. It runs thus:

IMP. CAESAR M. ANT. GORDIA
NVSP. F. AVG. BALNEVM CVM
BASILICA A SOLO INSTRVXIT
PER GN. LVCILIANVM LEG. AVG.
PR PR CVRANTE M. AVR.
QVIRINO PRAE. COH. I. LEG. GOR.

The

The purport of the Inscription now under consideration is this, viz.

In the reign of Severus Alexander, Pius, Felix, &c. the Cohors Prima Ælia Hispanorum Milliaria Equitata put the finishing hand to a building, termed here Basilica Equestris Exercitatoria, the foundations of which had been laid some time before. This was conducted under the care and direction of Valerianus, the emperor's lieutenant and pro-prætor, at the instance of M. Aurel. Salvius, tribune of the aforesaid company.

Line 3. The Cohors I. Hispanorum is mentioned in many inscriptions found hereabouts, but in none of them called Ælia, as here in these two inscriptions. COH. I. AELIA DACORVM is very frequent. And in the Notitia we meet with *Cohors prima Ælia Classica*.

Line 4. I read HISPANORVM MILLIARIA EQVITATA; the Monogram standing for M. or MILLIARIA, and EQ. for EQVITATA, not EQVESTRIS. For the auxiliaries served on foot, some of the regiments being lined, or flanked, with horse, and called therefore Equitata: for that is the meaning of the word, not *promoted from the foot service to the horse*, which is the opinion of some, as Mr. Horsley, for instance, &c. I have spoken to this point more fully in my observations upon the Rutcheſter Inscription, which are printed in the Philosophical Transactions*.

Line 5. Basilica is a word of large extent, and commonly signifies what is built for *public use*, or by *public authority*. It is therefore frequently applied to a *burse* or *exchange*. The *public roads* are termed

* A. D. 1747. N° 482. III.

Basilicæ: and the Christian writers took this word for their *churches*.

Though this be the common use of the word, it is not the primary. It signifies, I say, originally and principally, as it does in this inscription, a portico or colonnade, which being very large and considerable in places built for courts of justice, for public auditories and meetings of merchants, it came to pass, that the name of the *principal* was sunk in the *adjunct*; and all these places called alike *basilicæ*, from the colonnade, which attended, and perhaps sometimes encompassed them:

Basilicarum loca, adjuncta foris, quam calidissimis partibus oportet constitui, ut per hyemem sine molestia tempestatum se conferre in eas negotiatores possent. Vitruv. V. 1.

In the law-books I find them sometimes distinguished:

Sacram vel religiosam rem vel usibus publicis in perpetuum relictam, ut forum, aut basilicam, aut hominem liberum, inutiliter stipulor. L. 83. § 3. D. de V. O.

And so likewise Asconius upon Cic. Orat. pro Milone:

Quo igne & ipsa quoque curia flagravit, & item Porcia basilica, quæ erat ei juncta, ambusta est.

In Capitolinus I meet with *basilica centenaria, basilica pedum quingentorum*. And in the same light we must certainly view the words of Vopiscus in the life of Aurelian:

Miliarenses denique porticum in hortis Sallustii ornavit, in qua quotidie et equos et se fatigabat.

Which passage will explain the words of Juvenal, Sat. IV. init. Quid

Quid refert igitur, quantis jumenta fatiget
Porticibus ———

And both together, the use and destination of the building, which is the subject of our Inscription, BASILICA (*i. e.* porticus) EQVESTRIS EXERCITATORIA.

As the Roman affairs in Britain are little known under this emperor; one only Inscription besides, as I observed, either bearing his name, or referring to his age, these notices may possibly be more welcome. And what makes the first Inscription more so, is the mention of a new Legate, or lieutenant and pro-prætor, Valerianus, in this province, never taken notice of before. A copper Inscription lately discovered in the estate of the D. of Norfolk in Yorkshire, and now in his Grace's possession, affords us another, and that a very remarkable personage, under the emperor Hadrian, and one much known in the Roman history.

What was the prænomen of this Legate, l. 9. is a matter of farther enquiry.

XXIX. *A Method of lessening the Quantity of Friction in Engines*, by Keane Fitzgerald, Esq; F. R. S.

Read May 12,
1763.

M ECHANICS, or that branch of mathematics which considers motions and moving powers, their nature and laws, is properly distinguished into rational, and practical.